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Attorney Docket No.: UBC.P-020-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Gleave et al.

Serial No.:

09/944,326

Filed:

August 30, 2001

Confirmation:

2324

Title:

TRPM-2 Antisense Therapy

SUBMISSION OF SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents

P.O. Box 1450

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Sir:

Applicants request that the references listed on Substitute Form PTO-1449, which is enclosed, be made of record in the Patent Office file relating to the above-captioned application. Copies of the references were provided with the parent case (US application serial no. 09/913,325).

Enclosed is a credit card form (PTO 2038) for payment of the submission of this document. The Commissioner is authorized to debit any fees which may be due or credit any overpayments to Deposit Account Number 15-0610.

Respectfully submitted,

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number 09/944.326 Filing Date 8/30/2001 First Named Inventor Gleave et al. Art Unit 1635 Examiner Name K. A. Lacourciere

Sheet 3 Attorney Docket Number UBC.P-020-2

			U.S. PATENT	DOCUMENTS					
Examiner Cite Document Number Publication Date Name of Patentee or Pages, Columns, Lin MM-DD-YYYY Applicant of Cited Document Relevant Passages of Pages and Pages are not provided to the Pages of Pages and Pages are not provided to the Pages are									
Initials*	No.1	Number-Kind Code ^{2 (# known)}		Applicant or Oiled Document	Relevant Passages or Relevant Figures Appear				
		US-6,172,216 B1	1/9/2001	Bennett et al.					
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FOREIGN PATENT DOCUMENTS										
Cite No.1	Foreign Patent Document Country Code ³ -Number*- Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T [©]					
	WO 00/49937	8/31/2000	The University of British Columbia							
	WO 02/22635 A1	3/21/2002	ISIS Pharmaceuticals, Inc.							
	WO 03/062421 A1	7/31/2003	The University of British Columbia							
	WO 03/072591 A1	9/4/2003	The University of British Columbia							
		Cite No.¹ Foreign Patent Document Country Code³ -Number⁴- Kind Code⁵ (if known) WO 00/49937 WO 02/22635 A1 WO 03/062421 A1	Cite No.¹ Foreign Patent Document Publication Date MM-DD-YYYY WO 00/49937 8/31/2000 WO 02/22635 A1 3/21/2002 WO 03/062421 A1 7/31/2003	Cite No.¹ Foreign Patent Document Country Code³ -Number⁴ - Kind Code⁵ (if known) WO 00/49937 WO 02/22635 A1 WO 03/062421 A1 WO 03/072591 A1 Publication Date MM-DD-YYYY Applicant of Cited Document Name of Patentee or Applicant of Cited Document Name of Patentee or Applicant of Cited Document Name of Patentee or Applicant of Cited Document In the University of British Columbia Name of Patentee or Applicant of Cited Document Name of Patentee or Applicant of Cited Document	Cite No.¹ Foreign Patent Document Country Code³ -Number⁴- Kind Code⁵ (if known) Publication Date MM-DD-YYYY Name of Patentee or Applicant of Cited Document Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear WO 00/49937 8/31/2000 The University of British Columbia WO 02/22635 A1 3/21/2002 ISIS Pharmaceuticals, Inc. WO 03/062421 A1 7/31/2003 The University of British Columbia WO 03/072591 A1 9/4/2003 The University of British					

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IMAUS dostitute for form 1449B/PTO Complete if Known Application Number 09/944,326 INFORMATION DISCLOSURE Filing Date 8/30/2001 First Named Inventor STATEMENT BY APPLICANT Gleave et al. Art Unit 1635 Examiner Name (Use as many sheets as necessary) K. A. Lacourciere Sheet Attorney Docket Number UBC.P-020-2

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²			
7		GLEAVE ET AL., Use of Antisense Oligonucleotides Targeting the Antiapoptotic Gene, Clusterin/Testosterone-Repressed Prostate Message 2 to Enhance Androgen Sensitivity and Chemosensitivity in Prostate Cancer, Urology, 2001, Page(s) 39-49, Volume 58, XP-002262320				
X		GLEAVE ET AL., Antisense therapy: Current status in prostate cancer and other malignancies, Cancer and Metastasis Reviews, 2002, Page(s) 79-92, Volume 21, XP-001147871				
×		GLEAVE ET AL., Targeting anti-apoptotic genes upregulated by androgen withdrawal using antisense oligonucleotides to enhance androgen- and chemo-sensitivity in prostate cancer, Investigational New Drugs, 2002, Page(s) 145-158, Volume 20, Number 2, XP 009021411				
X		GLEAVE ET AL., Antisense Targets to Enhance Hormone and Cytotoxic Therapies in Advanced Prostate Cancer, Current Drug Targets, 2003, Page(s) 209-221, Volume 4				
<		JONES ET AL., Molecules in focus: Clusterin, The International Journal of Biochemistry & Cell Biology, 2002, Page(s) 427-431, Volume 34, XP002262319				
./		MIYAKE ET AL., Antisense TRPM-2 Oligodeoxynucleotides Chemosensitize Human Androgen-independent PC-3 Prostate Cancer Cells Both in Vitro and in Vivo, Clinical Cancer Research, 2000, Page(s) 1655-1663, Volume 6, Number 5, Publisher: The American Association for Cancer Research, US, XP000960694				
<		MIYAKE ET AL., Synergistic Chemsensitization and Inhibition of Tumor Growth and Metastasis by the Antisense Oligodeoxynucleotide Targeting Clusterin Gene in a Human Bladder Cancer Model, Clinical Cancer Research, 2001, Page(s) 4245-4252, Volume 7				
~		MIYAKE ET AL., Novel therapeutic strategy for advanced prostate cancer using antisense oligodeoxynucleotides targeting antiapoptotic genes upregulated after androgen withdrawal to delay androgen-independent progression and enhance chemosensitivity, International Journal of Urology, 2001, Page(s) 337-349, Volume 8, Number 7, XP002262321				
×		ROSENBERG ET AL., Clusterin: Physiologic and Pathophysiologic Considerations, Int. J. Biochem. Cell Biol., 1995, Page(s) 633-645, Volume 27, Number 7, XP001002844				
		WILSON ET AL., Clusterin is a secreted mammalian chaperone, TIBS, 2000, Page(s) 95-98, Volume 25, XP 4202536A				
×		WONG ET AL., Molecular characterization of human TRPM-2/clusterin, a gene associated with sperm maturation, apoptosis and neurodegeneration, European Journal of Biochemistry,1994, Page(s) 917-925, Volume 227, Number 3, XP 001146404				

Examiner	Date	
Signature	Considered	

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Sheet 3 of 3		Attorney Docket Number	UBC.P-020-2				

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²			
×		ZANGEMEISTER-WITTKE ET AL., A Novel Bispecific Antisense Oligonucleotide Inhibiting Both bcl-2 and bcl-xL Expression Efficiently Induces Apoptosis in Tumor Cells, Clinical Cancer Research, 2000, Page(s) 2547-2555, Volume 6, XP-002241562				
×		ZELLWEGER ET AL., Antitumor Activity of Antisense Clusterin Oligonucleotides is Improved in Vitro and in Vivo by Incorporation of 2'O-(2-Methoxy)Ethyl Chemistry, The Journal of Pharmacology and Experimental, 2001, Page(s) 934-940, Volume 298, Number 3, XP-002262318				
		ZELLWEGER ET AL., Chemosensitization of Human Renal Cell Cancer Using Antisense Oligonucleotides Targeting the antiapoptotic Gene Clusterin, Neoplasia, 2001, Page(s) 360-367, Volume 3, Number 4				
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